SEQUENCE LISTING

<110> Simari, Robert

<120> Adenovirus vectors encoding brain natriuretic peptide

<130> 07039-280001

<140> US 09/980,525
<141> 2001-11-15

<150> PCT/US00/14351
<151> 2000-05-24

<150> US 60/135,490
<151> 1999-05-24

<160> 18

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 1922
<212> DNA
<213> Homo sapiens

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taagatggtt tcttaccttt gagcacaaaa tttccacggt gaaataaagt caacattata 1860
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<210> 2
<211> 134
<212> PRT
<213> Homo sapiens

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Leu His Leu Ala Phe Leu Gly Gly Arg Ser His Pro Leu Gly Ser Pro
20 25 30
Gly Ser Ala Ser Asp Leu Glu Thr Ser Gly Leu Gln Glu Gln Arg Asn
35 40 45
His Leu Gln Gly Lys Leu Ser Glu Leu Gln Val Glu Gln Thr Ser Leu
50 55 60
Glu Pro Leu Gln Glu Ser Pro Arg Pro Thr Gly Val Trp Lys Ser Arg
65 70 75 80
Glu Val Ala Thr Glu Gly Ile Arg Gly His Arg Lys Met Val Leu Tyr
85 90 95
Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ser Gly Cys
100 105 110
Phe Gly Arg Lys Met Asp Arg Ile Ser Ser Ser Ser Gly Leu Gly Cys
115 120 125
Lys Val Leu Arg Arg His
130

<210> 3
<211> 32
<212> PRT
<213> Canis sp.

<400> 3
Ser Pro Lys Met Met His Lys Ser Gly Cys Phe Gly Arg Arg Leu Asp
1 5 10 15
Arg Ile Gly Ser Leu Ser Gly Leu Gly Cys Asn Val Leu Arg Lys Tyr
20 25 30

<210> 4
<211> 1803
<212> DNA
<213> Canis sp.

<400> 4
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cccctcccca gccccctggg ttcgaccctt ggaaccccttt ctgggtttgt tgtctcgggg 1080
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aaa 1803

<210> 5
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> consensus sequence

<221> VARIANT
<222> (2)...(3)
<223> Xaa = Any Amino Acid

<400> 5
Arg Xaa Xaa Arg
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<210> 6
<211> 330
<212> DNA
<213> Homo sapiens

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cccctccagg agagcccccg tcccacaggt gtctggaagt cccgggaggt agccaccgag 180
ggcatccgtg ggcaccgcaa aatggtcctc tacaccctgc gggcaccacg aagccccaag 240
atggtgcaag ggtctggctg ctttgggagg aagatggacc ggatcagctc ctccagtggc 300
ctgggctgca aagtgctgag gcggcattaa 330

<210> 7
<211> 109
<212> PRT
<213> Homo sapiens

<400> 7

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Gly Leu Gln Glu Gln Arg Asn His Leu Gln Gly Lys Leu Ser Glu Leu
20 25 30
Gln Val Glu Gln Thr Ser Leu Glu Pro Leu Gln Glu Ser Pro Arg Pro
35 40 45
Thr Gly Val Trp Lys Ser Arg Glu Val Ala Thr Glu Gly Ile Arg Gly
50 55 60
His Arg Lys Met Val Leu Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys
65 70 75 80
Met Val Gln Gly Ser Gly Cys Phe Gly Arg Lys Met Asp Arg Ile Ser
85 90 95
Ser Ser Ser Gly Leu Gly Cys Lys Val Leu Arg Arg His
100 105

<210> 8
<211> 99
<212> DNA
<213> Homo sapiens

<400> 8
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tccagtggcc tgggctgcaa agtgctgagg cggcattaa 99

<210> 9
<211> 32
<212> PRT
<213> Homo sapiens

<400> 9
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Arg Ile Ser Ser Ser Ser Gly Leu Gly Cys Lys Val Leu Arg Arg His
20 25 30

<210> 10
<211> 145
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

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gcatctggct ttcctgggag gtcgttccca cccgctgggc gaggtgaagt acgacccctg 120
cttcggccac aagatcgacc gcatc 145

<210> 11
<211> 127
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 11

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tcacctc 127

<210> 12
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 12
tgcagatatc catggatccc cagacagcac 30

<210> 13
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 13
gaagatcttc ttaggcgctg gtgctggggg cg 32

<210> 14
<211> 24
<212> DNA
<213> Homo sapiens

<400> 14
catcttgggg cttcgtggtg cccg 24

<210> 15
<211> 176
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 15
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ttcacctcca tcttggggct tcgtggtgcc cgcagggtgt agaggaccat tttgcg 176

<210> 16
<211> 28
<212> PRT
<213> Homo sapiens

<400> 16
Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly
1 5 10 15
Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
20 25

<210> 17
<211> 22
<212> PRT
<213> Homo sapiens

<400> 17
Gly Leu Ser Lys Gly Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser
 1   5   10   15
Met Ser Gly Leu Gly Cys
            20

<210> 18
<211> 38
<212> PRT
<213> Dendroaspis angusticeps

<400> 18
Glu Val Lys Tyr Asp Pro Cys Phe Gly His Lys Ile Asp Arg Ile Asn
 1   5   10   15
His Val Ser Asn Leu Gly Cys Pro Ser Leu Arg Asp Pro Arg Pro Asn
            20   25   30
Ala Pro Ser Thr Ser Ala
        35